

Attachment A

ARTICULATION/TRANSFER AGREEMENT EAST TENNESSEE STATE UNIVERSITY



Bachelor of Science Degree//*Engineering*



(*Engineering Technology/ Manufacturing Concentration*)

WALTERS STATE COMMUNITY COLLEGE

Associate of Science/Engineering Technology- Manufacturing Concentration

Walters State Community College

<u>FALL</u>	<u>HOURS</u>	<u>SPRING</u>	<u>HOURS</u>	<u>FALL</u>	<u>HOURS</u>	<u>SPRING</u>	<u>HOURS</u>
ECON 2100	3	ENGL 1020	3	EGRT 2020	3	ENST 1311	3
ENGL 1010	3	HIST 2020	3	PHYS 2010	4	ENST 1321	3
HIST 2010	3	ENST 2380	3	PHYS 2011	0	ENST 1340	3
MATH 1720	3	MATH 1910	4	PSYC 1030	3	PHYS 2020/21	4
COMM 2025	3	Fine Art/HUM E	3	ENST 1370	3		
				Literature E	3		
TOTAL	<u>15</u>		<u>16</u>		<u>16</u>		<u>13</u>

TOTAL HOURS: 60

*Learning Support courses must be taken every semester until completed.

**Only coursework for which a grade of C (2.0) or higher was earned will be accepted for transfer credit to ETSU for courses in English, Math, Science, and Technology

East Tennessee State University

<u>Technology Core</u>	<u>Hours</u>	<u>Technical Support</u>	<u>Hours</u>	<u>Specialty Sequence</u>	<u>Hours</u>
ENTC 1510	2	CSCI 2100	3	See attached	29
ENTC 3030	3	PHYS 2020, 2021	4	Addendum	
ENTC 4017	3			NO MINOR REQ'D	
		MATH 1920, one additional credit**	5		
TOTAL	<u>8</u>				
<u>Manufacturing Concentration</u>					
ENTC 3710	3				
ENTC 4037	3				
ENTC 4357	3				
ENTC 4777	3				
CSCI 1100	3				
ENTC 2310	4				
TOTAL	<u>19</u>		<u>12</u>		<u>29</u>

TOTAL HOURS: 8+19+12+29 = 68

TOTAL DEGREE CREDITS: 60+68 =128

*MATH 1720 transfer from WSCC

**Students that choose MATH 1910 & 1920 must work with advisor to find one additional credit

*** CHEM 1120/CHEM 1121 may be substituted for PHYS 2020/PHYS 2021

¹Accredited by the Technology Accreditation Commission (TAC) of the Accreditation Board for Engineering and Technology (ABET).

For more information, contact East Tennessee State University, College of Business & Technology, Department of Technology

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Choose one (1) Specialty Sequence from below to complete 29 credits.

Programming & Automation Specialty Sequence

- ENTC-2320-Electronics (4Credits)
- [ENTC 3370 – Electronics-Digital Circuits](#) (4 credits)
- [ENTC 4277 – Instrumentation and Process Control](#) (4 credits)
- [ENTC 4337 – Microprocessors](#) (4 credits)

Choose 13 credits from below:

- [ENTC 2510 – Introduction to Robotics](#) (3 credits)
- [ENTC 3350 – Industrial Electronics](#) (3 credits)
- ENTC/CSCI Electives (7 credits)

General Manufacturing Specialty Sequence

- [ENTC 3010 – Statics and Strength of Materials](#) (4 credits)
- [ENTC 3620 – Thermal and Fluid Technologies](#) (4 credits)
- [ENTC 4257 – Plant Layout and Materials Handling](#) (3 credits)

Choose 18 credits from below:

- [ENTC 3600 – Manufacturing Technology](#) (3 credits)
- [ENTC 4227 – Engineering Economy](#) (3 credits)
- [ENTC 4237 – Ergonomics and Process Optimization](#) (4 credits)
- ENTC/CSCI Electives (8 credits)

Note: ENTC/CSCI electives may be chosen from any of the specialty sequence offerings or any of the following: [ENTC 4217](#), [ENTC 4347](#), [ENTC 4517](#), [ENTC 4900](#), [ENTC 4957](#), [ENTC 4989](#)/[ENTC 4999](#) or [CSCI 1250](#), [CSCI 1210](#), [CSCI 1800](#), [CSCI 2100](#).

Culminating Experience 4 Credits

- ENTC 4600-Technical Practicum (4 credits)
 - ENTC 4989- Internship/ Cooperative Education (1-4 credits) (4 credits required)
- OR**
- ENTC 4999- Internship/ Cooperative Education (1-4 credits) (4 credits required)
 - **Note:** Culminating Experience must be approved by the department chair and program coordinator.

Attachment B

Course at WSCC	Course equate to at ETSU
COMM 2025	COMM 2025
ECON 2100	ECON 2210
ENGL 1010	ENGL 1010
ENGL 1020	ENGL 1020
ENST 2380	ENTC 2060
ENST 1311	ENTC ELECTIVE
ENST 1321	ENTC 2170
ENST 1340	ENTC 2200
ENST 1370	ENTC 1120
HIST 2010	HIST 2010
HIST 2020	HIST 2020
MATH 1720	MATH 1720
MATH 1530	MATH 1530
MATH 1910	MATH 1910
PHYS 2010/11	PHYS 2010/11
PHYS 2020/21	PHYS 2020/21
PSYC 1030	PSYC 1310